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R.M.

PATENT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Agent: Lirette, et al
Ser. No.: 08/484,171
Filed: 06/07/95
For: Centralizer

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Art Unit: 3506
Examiner: F. Tsay
Atty Dock. No.: WEAA 173

6/a

RESPONSE TO OFFICE ACTION MAILED 3/18/96

Assistant Commissioner
For Patents
Washington, D.C. 20231

RECEIVED

JUN 26 1996

GROUP 3500

Dear Sir:

This is a Response to the Office Action mailed 3/18/96 (Paper No. 5). Please enter the amendments that follow.

IN THE CLAIMS:

Without abandoning any invention or waiving any rights, cancel claims 1 - 20.

Enter new claims 21 - 36:

- 1 21. A centralizer apparatus comprising
2 a tubular body with an exterior surface,
3 a first collar movably emplaced around the tubular
4 body and movable longitudinally thereon,
5 a first groove in the exterior surface of the
6 tubular body, the groove defined by a top side wall, a bottom
7 side wall, and a middle wall therebetween,
8 the first collar movably disposed in the groove, and
9 the first groove top side wall and bottom side wall
10 limiting first collar movement,
11 a plurality of spring bows, each spring bow having
12 a first end spaced apart from a second end, each spring bow
13 biased outwardly from the tubular body, the first ends

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